

# Converting Colors

XYZ(74.8891, 78.5088, 84.7780)

Have a look what the booklet for  
XYZ(74.8891, 78.5088, 84.7780)  
contains.

<b>XYZ(74.9779, 78.6290, 84.6239)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(74.9779, 78.6290,  
84.6239)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7E5E4
RGB	231, 229, 228
RGB Percent	91%, 90%, 89%
CMY	0.0941, 0.1019, 0.1059
CMYK	0.00, 0.01, 0.01, 0.09
HSL	20°, 6%, 90%
HSV	20°, 1%, 91%
XYZ	74.9779, 78.6290, 84.6239
YIQ	229.4840, 1.5130, 0.1130

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 230, 228
Decimal	15197668
CIE Lab	91.07, 0.50, 0.71
CIE LCh	91, 0.872, 54.976
Yxy	78.6290, 0.3147, 0.3301
Android (android.graphics.Color)	4293387748 (0xFFE7E5E4)
YUV	229.4840, -0.7316, 1.3295
Hunter-Lab	88.6730, -4.2462, 5.4885

# Details

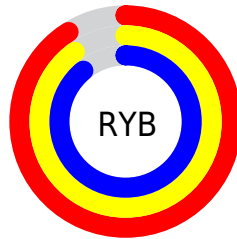
The XYZ color **74.9779, 78.6290, 84.6239** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7155, 78.8560, 86.8852**, and the grayscale version is **74.8390, 78.7365, 85.7440**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3581, 42.4032, 45.5927** is the 20% darker color. If you saturate the color by 10%, you get **67.9177, 69.3016, 67.4921**, and if you desaturate by 10%, it is **82.8476, 88.8876, 104.1413**.

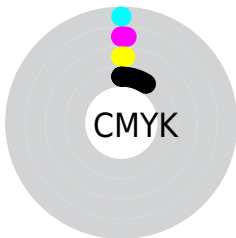
# Distribution



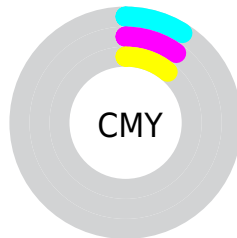
- Red (91%)
- Green (90%)
- Blue (89%)



- Red (91%)
- Yellow (90%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9779, 78.6290, 84.6239 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 74.9779, 78.6290, 84.6239 by changing the saturation by 10% instead.



■ 74.9779, 78.6290,  
84.6239

■ 74.9779, 78.6290,  
84.6239

466.8400,  
490.3004, 530.4948

■ 55.8889, 58.5908,  
62.9823

125.2692,  
131.4364, 141.7171

■ 40.3505, 42.2838,  
45.3860

157.2021,  
164.9745, 178.0057

■ 27.9974, 29.3236,  
31.4164

194.1471,  
203.7813, 220.0138

■ 18.4641, 19.3258,  
20.6550

236.4695,  
248.2412, 268.1599

■ 11.3854, 11.9059,  
12.6833

284.5346,  
298.7387, 322.8625

■ 6.3959, 6.6796,  
7.0827

338.7078,

■ 3.1302, 3.2626,

355.6581, 384.5402

3.4346

399.3545,  
419.3839, 453.6114

■ 1.2230, 1.2703,  
1.3206

■ 0.1244, 0.1180,  
0.0786

■ 74.9779, 78.6290,  
84.6239

■ 74.9779, 78.6290,  
84.6239

■ 67.9177, 69.3016,  
67.4921

■ 82.8476, 88.8876,  
104.1413

■ 61.6338, 60.8690,  
52.6488

■ 86.7655, 95.7292,  
108.5123

■ 56.1002, 53.3072,  
39.9976

■ 51.2871, 46.5874,  
29.4333

■ 47.1624, 40.6789,  
20.8419

■ 43.6916, 35.5494,  
14.0986

■ 40.8366, 31.1638,  
9.0637

■ 38.5548, 27.4842,  
5.5778

■ 36.7968, 24.4685,  
3.4500

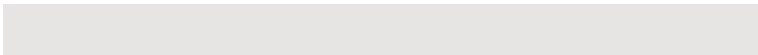
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1192, 78.6290, 85.1023



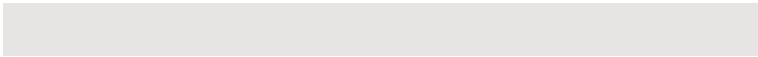
74.9779, 78.6290, 84.6239



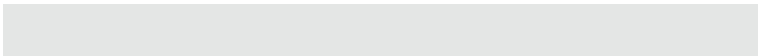
74.7716, 78.6290, 84.4107

# Triad

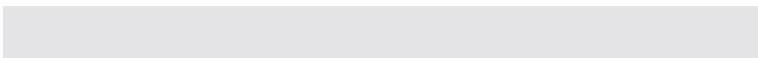
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9779, 78.6290, 84.6239



74.3133, 78.6290, 85.5074



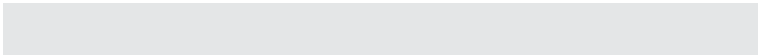
74.9135, 78.6290, 86.7181

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



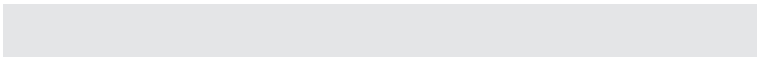
74.9779, 78.6290, 84.6239



74.7155, 78.8560, 86.8852

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6974, 78.6290, 86.8279



74.9779, 78.6290, 84.6239



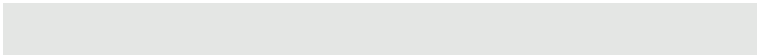
74.3511, 78.6290, 86.1269

# Square

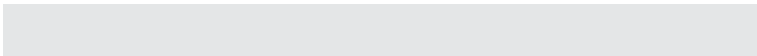
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



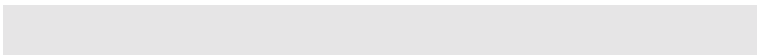
74.9779, 78.6290, 84.6239



74.3881, 78.6290, 84.9192



74.4916, 78.6290, 86.6110



75.0820, 78.6290, 86.3118



# Rectangle

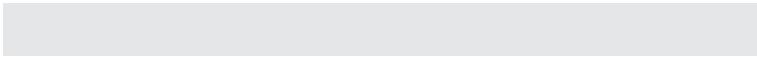
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



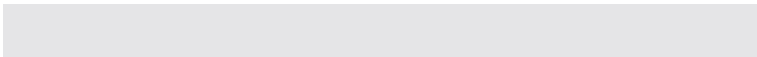
74.9779, 78.6290, 84.6239



74.6251, 78.6290, 84.4469



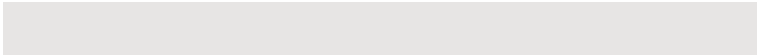
74.4916, 78.6290, 86.6110



74.8440, 78.6290, 86.7910

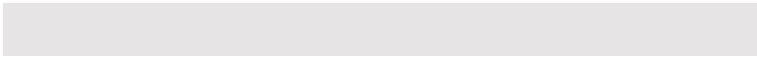
# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



74.9801, 78.6324, 84.6256

95.0500, 100.0000, 108.9000



74.9824, 78.1901, 86.0042



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

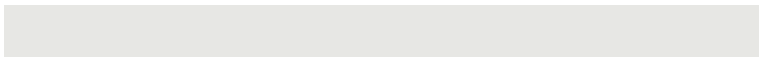
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9801, 78.6324, 84.6256



93.1667, 97.5300, 104.2750



75.3958, 79.4638, 84.7642



15.9175, 16.6680, 17.8407



20.0773, 12.7288, 1.3987

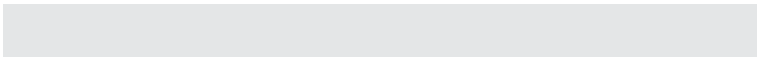


1.5668, 1.1068, 0.1311



# Inverse Universe

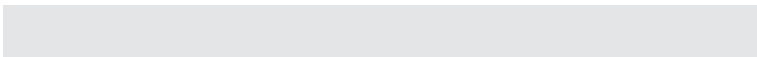
The Inverse Universe completely reimagines the original color for something new.



74.7155, 78.8560, 86.8852



92.6564, 97.9613, 108.6326



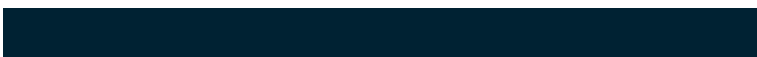
74.3010, 78.0270, 86.7470



15.8356, 16.7373, 18.5403



14.6544, 16.3709, 44.7707

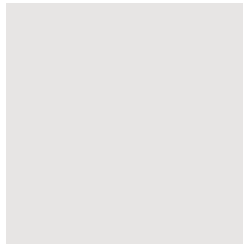


1.1676, 1.3791, 3.3366



# Previews

## White Background



This preview shows how the XYZ color 74.9779, 78.6290, 84.6239 looks on a white background.

## Color Contrast Check

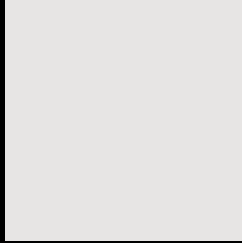
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 74.9779, 78.6290, 84.6239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

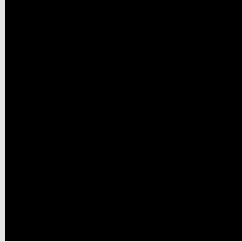
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

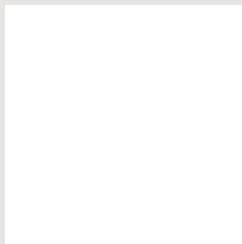


**XYZ 74.9779, 78.6290, 84.6239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9779, 78.6290, 84.6239.



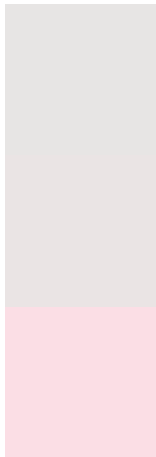
This preview shows how white text looks on a background with the XYZ color 74.9779, 78.6290,

84.6239.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.9779, 78.6290, 84.6239

### Protanopia

75.6787, 78.5807, 84.5777

### Deuteranopia

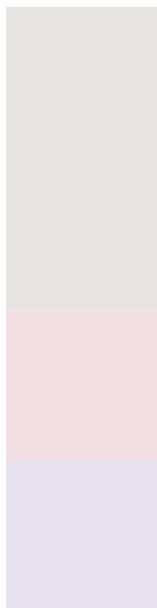
80.0478, 78.4089, 85.0442



## Tritanopia

77.1298, 78.2480, 96.6262

# Trichromacy



## Original Color

74.9779, 78.6290, 84.6239

## Protanomaly

75.3513, 78.4119, 84.5624

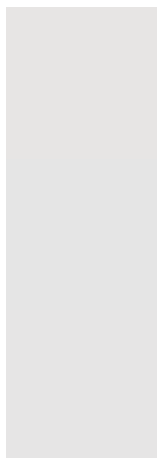
## Deuteranomaly

78.3763, 78.7407, 85.1963

## Tritanomaly

76.1804, 78.2670, 91.9808

# Monochromacy



## Original Color

74.9779, 78.6290, 84.6239

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.7953, 78.5188, 85.3422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9779, 78.6290, 84.6239 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(231, 229, 228) looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9779, 78.6290, 84.6239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 229, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 229, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
228) }
```



# Background

The CSS property to change the background color of an element to XYZ 74.9779, 78.6290, 84.6239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
229, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor